

NOVEMBER/DECEMBER 2024

CEBC63 — IMMUNOLOGY (Elective — II)

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

Name the primary lymphoid organ.

2. Expand the following :

(a) ADCC

(b) MALT

3. Define antigens.

4. Name the classes of immunoglobulins.

5. What are called complement proteins?

6. Name the cytokines secreted by helper T cell.

7. Give examples for immunosuppressive drugs.

8. What is meant by allograft?

9. Summarize DNA vaccines.

10. Write the principle of RIA.



SECTION B — ( $5 \times 5 = 25$  marks)

Answer ALL questions.

11. (a) Discuss the process of phagocytosis.

Or

- (b) Explain the structure of granulocytes.

12. (a) Explain the properties of antigens.

Or

- (b) Explain the structure of immunoglobulins.

13. (a) Explain precipitation reactions.

Or

- (b) Describe complement components.

14. (a) Explain immunity to viral infections.

Or

- (b) Outline the mechanism of allograft rejection.

15. (a) Demonstrate the steps involved in ELISA.

Or

- (b) Summarize the types of immunization.

SECTION C — ( $3 \times 10 = 30$  marks)

Answer any THREE questions.

16. Explain the factors governing innate immunity.

17. Discuss the classes of immunoglobulins.

18. Describe the classical pathway of complement.

19. Explain the mechanism of type I hypersensitive reactions.

20. Demonstrate radical immuno diffusion.

